

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

*Atherton • Belmont • Brisbane • Burlingame • Colma • Daly City • East Palo Alto • Foster City • Half Moon Bay • Hillsborough • Menlo Park
Millbrae • Pacifica • Portola Valley • Redwood City • San Bruno • San Carlos • San Mateo • San Mateo County • South San Francisco • Woodside*

Agenda

Resource Management and Climate Protection Committee (RMCP)

Date: Friday, September 14, 2012

Time: 3:00 to 5:00 p.m.

Location: San Carlos Library, 620 Elm Street – Upstairs Conference Room B
San Carlos, California

Please note: Meeting Day, Time and Location have Changed from previous months:

1. Introductions
2. Public Comment
3. Approval of Minutes from June 2012 (Susan Wright) Action
4. Presentation on Renewed Efforts to Address Energy Efficiency in the Schools Sector in San Mateo County (Kim Springer, Napallo Gomez - PG&E) Information Direction
5. Update on SB 843, Distributed Generation Legislation Currently in Assembly Committee (Kim Springer) Information
6. Presentation on the Joint Venture Silicon Valley, Joint Solar Purchase Program (Rachel Massaro – JVSV) Information
7. Update on San Mateo County Energy Watch Program and Discussions with PG&E for the 2013-2014 Contract Transition Period (Kim Springer, Susan Wright) Information Direction
8. Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress (Susan Wright, Kim Springer) Information
9. Committee Member Updates
10. Next Regular Meeting Date: October 12, 2012

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RESOURCE MANAGEMENT AND CLIMATE PROTECTION TASK FORCE
Minutes from the 6-7-12 Meeting

In attendance:

Michael Barber, Supervisor Pine's office
Bob Cormia, Foothill De Anza Community College
Noelle Bell-Copley, Ecology Action
Maryann Moise Derwin, Committee Vice Chair, Portola Valley Town Council*
Anona Dutton, BAWSCA
Pedro Gonzalez, South San Francisco City Council*
Deborah Gordon, Committee Chair, Woodside Town Council*
Adrienne Etherton, Sustainable San Mateo County
Will Klein, San Mateo County RecycleWorks (staff)
Kathy Lavezzo, PG&E
Richard Napier, C/CAG
Dave Pine, San Mateo County Board of Supervisors*
Sepi Richardson, Brisbane City Council*
Kim Springer, San Mateo County RecycleWorks (staff)
Susan Wright, San Mateo County RecycleWorks (staff)

Not in attendance:

Jim Cogan, PG&E
Jorge Jaramillo, San Mateo County Hispanic Chamber of Commerce
Barbara Pierce, Redwood City Council*
Nicole Sandkulla, BAWSCA
Eric Sevim, A+ Japanese Auto Repair
Lauren Swezey, Facebook
*=Voting member

1) Introductions

Attendees introduced themselves and their organizations.

2) Public Comment

There was no public comment.

3) Approval of Minutes

Minutes from the May 2012 meeting were approved.

4) Presentation by Bay Area Water Supply and Conservation Agency (BAWSCA) on Water Use and Conservation Programs in San Mateo County (Kim Springer, Anona Dutton - BAWSCA)

Anona Dutton reported on water supply and conservation opportunities in San Mateo County. Her PUBLIC NOTICING: All notices of C/CAG Board and Committee meetings are posted at: San Mateo County Transit District Office, 1250 San Carlos Ave., San Carlos, CA.

presentation is attached. After the presentation, committee members discussed the following items:

- Why San Mateo County is among the lowest water users in the state
- How water reduction efforts impact climate action goals
- The possibility of incorporating grey water and recycled water into the long-term water supply strategy
- Future infrastructure upgrades to protect against seismic activity

5) Presentation on Growth of Solar, Renewables Policy and Installations in San Mateo County and California (Kim Springer, Mary Kathryn Lynch - Renewable Funding)

Mary Kathryn Lynch explained SB 843, a bill that would give households, businesses, schools, and public agencies the option of receiving a credit on their power bills for the clean power they purchase at an off-site renewable energy facility. The bill's author is State Senator Lois Wolk (D-Davis), who serves on the Select Committee on Green Jobs, Solar, Wind, and Clean Technologies. More information about the bill can be found at <http://renewableenergynow.org/>

Committee members discussed a number of related topics, including the response from the solar industry, the locations that solar could be installed, the maximum and minimum amount of solar to be installed, and the type of roofs that work with solar.

Kim Springer gave several updates related to solar including:

- CEC's new CalGreen Title 24 Standards include "solar-ready" residential roofs, more efficient windows, more insulation on pipes, whole house cooling systems, review of A/C systems for efficient operation, commercial high performance windows, advanced lighting controls, and cool roof technologies. The CPUC's goal is to achieve zero net energy in residential new construction by 2020, in commercial new construction by 2030.
- Net metering used to be capped at .1% of peak demand. It's going up to 5%, so there's more incentive to install solar.
- Installation of solar is growing in San Mateo County. San Mateo County Energy Watch is integrating the amount of installed solar in the city "report cards" that will be on the SMCEW website.

6) Update on San Mateo County Energy Watch (SMCEW) Program Implementation Plan Addendum to PG&E for the 2013-2014 Contract Transition Period (Kim Springer, Susan Wright)

Susan Wright explained SMCEW's plans for the transition period. Overall, C/CAG is working to get more funding for the program and enable it to better support cities climate action goals. SMCEW will also work with cities to take a more "whole building/whole portfolio" approach to energy efficiency. At this point it is unclear how the ABAG Regional Energy Network will interact/coexist with SMCEW.

7) Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress (Kim Springer, Susan Wright)

Will Klein has been assisting cities in getting their 2005 GHG inventory into the Hara online tool. This data will provide the baseline. So far San Bruno and Pacifica have their data uploaded. Hara will be teaching a class on using the tool. Cities are currently getting assistance from Joint Venture on their 2010 GHG inventories; this data will eventually be put in the Hara tool as well. C/CAG's CAP will cover regional transportation measures.

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8) Committee Member Updates

Barbara saw a presentation about a London transportation study. It linked livable communities and active transportation. She thought we might ask for a joint session with CMAC to see a similar presentation.

Kathy said that she presented a ceremonial check to the County for a solar PV project on the County Center parking garage. She thanked Maryann Derwin for organizing a tour of the greenest home in Portola Valley. The house has been featured in Forbes magazine and received a green building award from Sustainable San Mateo County. She wondered if Anona Dutton could be on this committee to provide a water perspective.

9) Next Regular Meeting Date

This date doesn't work after all. Susan Wright will send out a new Doodle poll. Tuesdays and Thursdays are bad for Dave Pine. Wednesdays and Fridays are good. We won't meet in July.

Asked to replicate study for the Bay Area. Public health benefits. 15% in cardiovascular disease, 30% reduction in GHG.

Gil Panelosa. Green Belt Alliance. Livable communities and active transport. Increase safety – separate bikes, peds, cars. Put those two things together: improve mobility, decrease health expenses. Ask for joint session with CMAC. Need integrated network for transportation.

Presentation on Healthycommunitiesforum.org. Even if cities just adopted policies in some good biking walking communities like Palo Alto, Berkeley, effect would be X.

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C/CAG AGENDA REPORT

Date: September 14, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Presentation on Renewed Efforts to Address Energy Efficiency in the School Sector in San Mateo County
(For further information contact Kim Springer at 650-599-1412 or Susan Wright at 650-599-1403.)

RECOMMENDATION

Receive an informational presentation on renewed efforts to address energy efficiency in the school sector in San Mateo County, and give feedback on options to promote the effort to school districts.

FISCAL IMPACT

None.

BACKGROUND/DISCUSSION

Addressing energy efficiency and other environmental programs in the schools sector in San Mateo County is a challenge, but very important when you consider the opportunity to educate our youth about resource use and conservation best practices.

The County of San Mateo, Department of Public Works (RecycleWorks.org) has a schools program that has been in existence for approximately 14 years and has accomplished much in the area of solid waste diversion. There are new efforts to develop additional areas of the program, beyond solid waste and other efforts in the county with which to coordinate.

Recently, the County Office of Education (COE) has hired a consultant to work on a program that aims to tie workforce development, energy efficiency and sustainability together. With the support of the COE, RecycleWorks, PG&E and the San Mateo County Energy Watch intend to coordinate efforts to address energy efficiency in schools in San Mateo County.

Napallo Gomez, Customer Relationship manager with PG&E, will present an update on the discussions related to this effort. Staff would like feedback from the committee on strategies for promoting this effort, over time, to school districts across San Mateo County.

ATTACHMENT

None.

C/CAG AGENDA REPORT

Date: June 7, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Update on Senate Bill 843 (Wolk), Community-Based Renewable Energy Self-Generation Program

(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive an update on SB 843 (Wolk), Community-Based Renewable Energy Self-Generation Program.

FISCAL IMPACT

None

BACKGROUND/DISCUSSION

At the June 7, 2012 RMCP Committee meeting, staff gave a report on the progression of solar renewable energy in San Mateo County and the State of California. As part of that presentation, an outside consulting firm, interested in supporting SB 843, presented the bill by conference call.

On August 9, 2012, the C/CAG Legislative Committee heard and update and comments on SB 483, and suggested that C/CAG send a letter of conditional support for the bill; the condition being that an issue with the bill termed cost balancing, be addressed.

As of the writing of this staff report, SB 843's status is that it did pass the appropriations committee and failed passage in the Utilities and Commerce Committee, with reconsideration granted.

The link provided under Attachments/Links to this staff report, leads to further information on the bill.

Attachments/Links

http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=sb_843&sess=CUR&house=B&author=wolk

C/CAG AGENDA REPORT

Date: September 14, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Presentation on the Joint Venture Silicon Valley, Joint Solar Purchase Program
(For further information contact Kim Springer at 650-599-1412)

RECOMMENDATION

Receive an presentation on the Joint Venture Silicon Valley, Joint Solar Purchase Program.

FISCAL IMPACT None

BACKGROUND/DISCUSSION

Joint Venture Silicon Valley (JV), as part of their Public Sector Climate Task Force work plan, launched a Silicon Valley Collaborative Renewable Energy Procurement (SV-REP) program in 2009. The goals of the program were to:

- reduce the upfront cost of installing solar including technology and installation,
- reduce the staff time required for a city to procure and implement solar projects, and
- increase the understanding of the variables involved in system for procuring renewable energy.

The first cycle of the program was completed in 2011 and the learnings from the process were compiled in a guide called “Purchasing Power: Best Practices Guide for Collaborative Solar Procurement”. The guide is designed to support other local governments and is presented a detailed multi-step process. A link the guide is provided as a an attachment to this staff report. Copies should be available at the meeting.

The first round of this program was successfully completed with the City of San Jose as the lead agency in the process, and the program saved an estimated 10-15% in cost and an 75% reduction in staff time and fees for participating cities. A second round of this program is currently underway.

The second round has Alameda County as a lead agency and includes some 23 sites in San Mateo County, currently under evaluation.

Rachel Massaro, Director of Climate Initiatives for JV will present more information on the past and current rounds of this program.

Attachments/Links

http://www.jointventure.org/images/stories/pdf/purchasing.power_best.practices.guide.to.collaborative.solar.procurement.pdf

C/CAG AGENDA REPORT

Date: September 14, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer, County Staff to C/CAG
Subject: Update on San Mateo County Energy Watch Program and Discussions with PG&E for the 2013-2014 Contract Transition Period

(For further information contact Kim Springer at 650-599-1412 or Susan Wright at 650-599-1403.)

RECOMMENDATION

Receive an informational update and give direction on the San Mateo County Energy Watch Program and 2013-2014 contract transition period.

FISCAL IMPACT

All SMCEW program staff costs and expenses are paid for by funding under the C/CAG – PG&E LGP agreement.

BACKGROUND/DISCUSSION

San Mateo County Energy Watch is a local government partnership between the City and County Association of Governments of San Mateo County (C/CAG) and Pacific Gas and Electric Company (PG&E). This program is managed and staffed by RecycleWorks, a program of the County of San Mateo. Other program partners include Ecology Action and El Concilio. The three-year program cycle runs from January 1, 2010 through December 31, 2012.

San Mateo County Energy Watch accomplishes energy savings in the municipal, non-profit and residential program sectors. SMCEW's municipal program has completed energy audits and/or energy-efficiency projects in nearly all the cities and other public agencies in San Mateo County, including Atherton, Belmont, Brisbane, Burlingame, Colma, Daly City, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Millbrae, Pacifica, Redwood City, San Bruno, San Carlos, San Mateo, SanTrans, South Bayside Waste Management Authority, South San Francisco, Woodside and the County of San Mateo. Additionally, SMCEW has completed projects for a variety of non-profit organizations, including food closets, home owners associations, and numerous congregations.

Energy Savings Results

Looking at the three-year program cycle as a whole, as of July 2012, preliminary estimates show that the SMCEW program has accomplished 8.5 million kilowatt hours, 1,181 peak kilowatts of energy savings, and approximately 15,190 Therms of energy savings. The program's "pipeline" is approximately 549,042 kilowatt hours, 96 kilowatts of energy savings and approximately 26,376 Therms of energy savings.

The pipeline for the "direct install" portion of the program is nearly full. Direct install projects will be completed by the end of October in order to meet PG&E's end-of-the-year reporting

deadlines. A small amount of funding for the MIDI program (residential middle income direct install) will be available soon; the exact budget has not been determined, but is anticipated to be about \$40,000.

The following charts are attached for your review with this staff report:

A set of charts showing the San Mateo County Energy Watch savings verses goals for the 2010 through 2012 program cycle.

A chart comparing kWh achieved through the direct install vs. other portions of the SMCEW program

SMCEW has changed the way therms are presented to provide a more accurate picture of our progress vs. goals. The new chart will be available at the meeting.

City Progress Reports

SMCEW has finalized the city-by-city progress reports for community-wide building energy use.

These will be posted on the SMCEW website by the RMCP meeting or shortly thereafter.

Reports show trends in energy use from 2005 through 2010, as well as indicate reductions in energy use via PG&E, because of energy efficiency and solar installations.

Comprehensive Energy Recommendations

In August, SMCEW presented comprehensive energy recommendations to the City of Menlo Park for four facilities. Collectively, the 14 recommended measures are estimated to save 328,719 kWh and 2,060 therms annually, yielding \$53,828 in annual savings on energy bills.

Greenhouse gas emissions from these facilities will be reduced by 8%. The city is planning to move forward with the complete package of recommended measures using PG&E's 0% financing. Based on what was learned from this pilot, SMCEW has offered similar engineering services to the cities of South San Francisco, Burlingame, and Redwood City.

Program Planning for 2013-2014 Transition Period

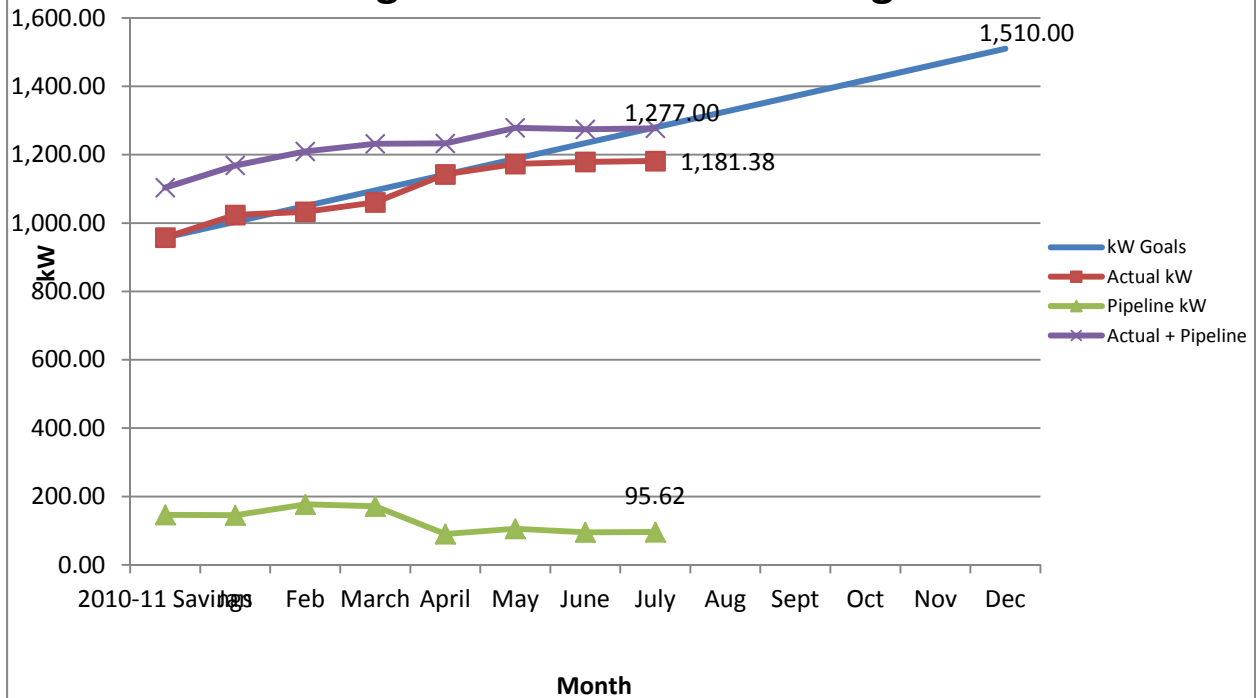
Communication between the CPUC and the investor-owned utilities continued over the summer regarding plans for the 2013-2014 Transition Period. SMCEW's first planning meeting with PG&E is scheduled for September 17. A final report from the CPUC isn't expected until November, so final contracting will have to be fast-tracked in order to begin service for the new program cycle on January 1, 2013.

The expected budget will be \$1.9 million for the next two years. This includes an additional \$500,000 for programs that go beyond the scope of the 2010-2012 SMCEW program.

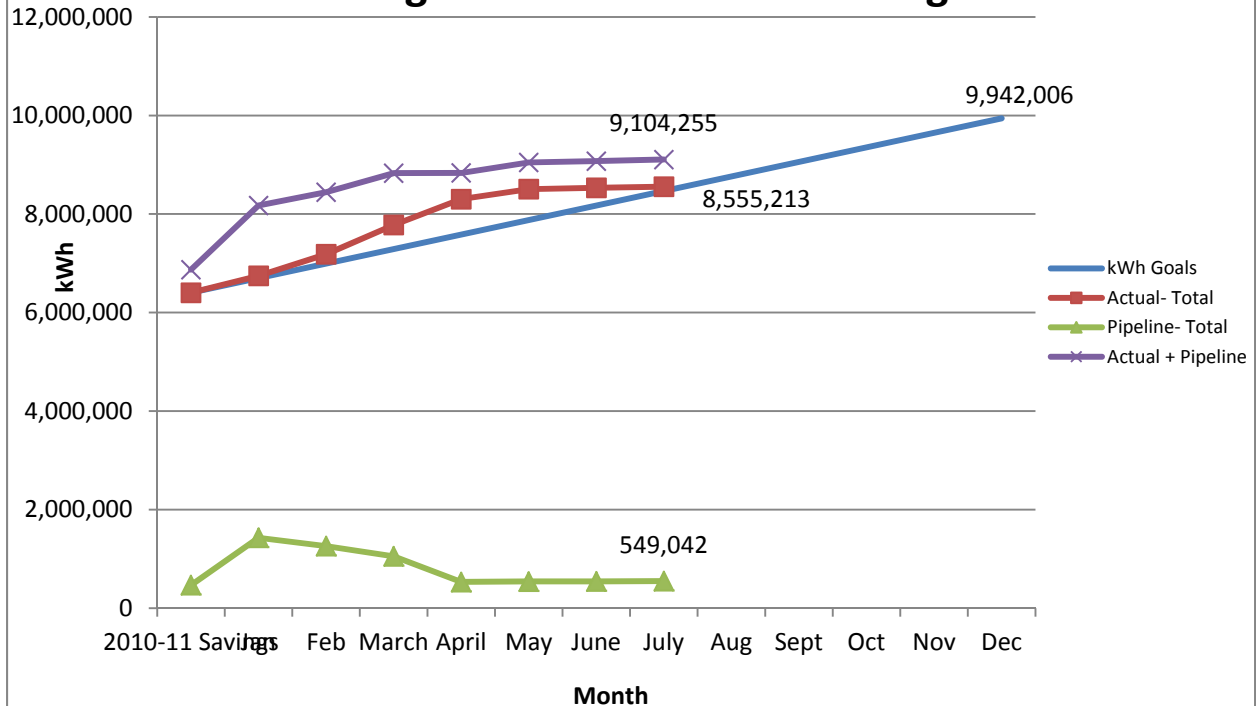
ATTACHMENT

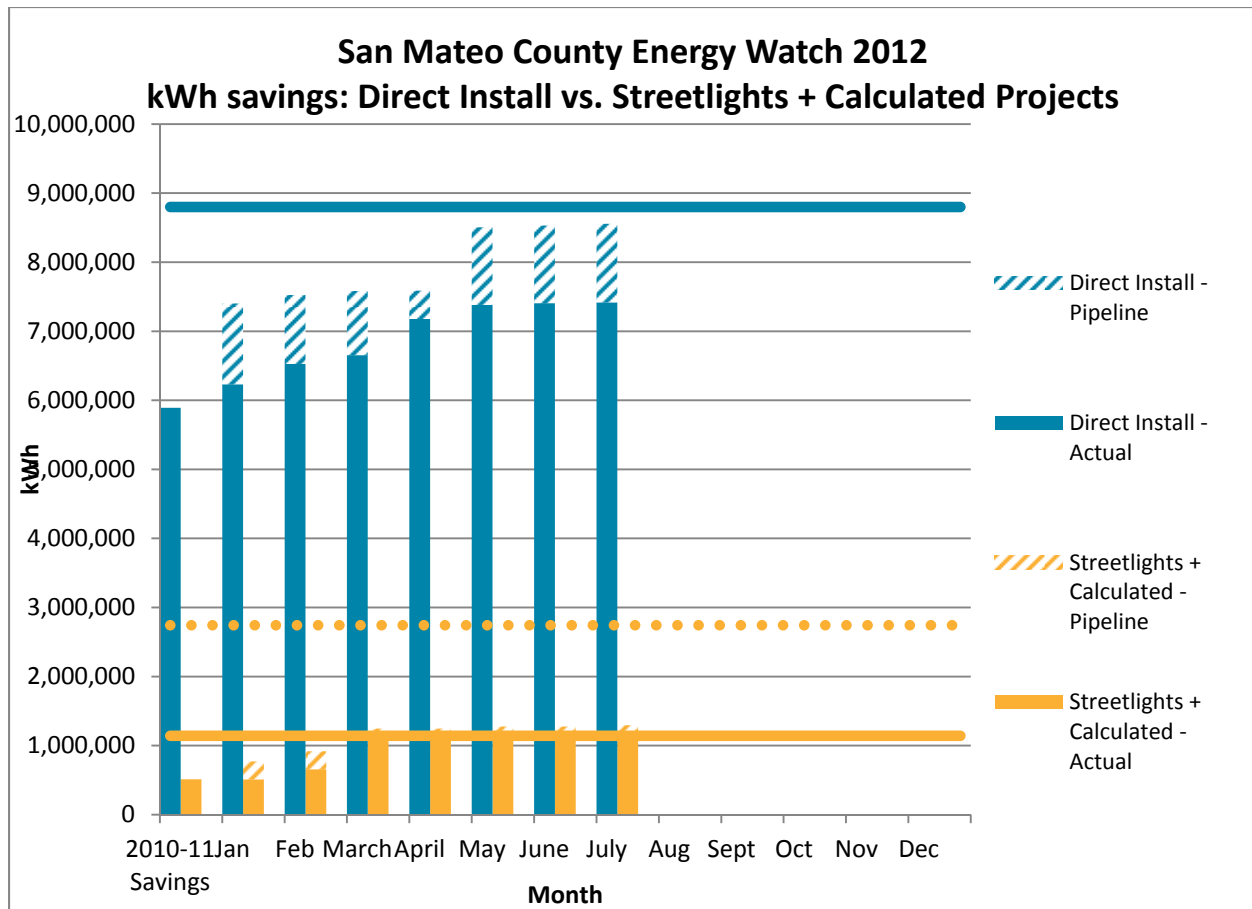
Updated: SMCEW Energy Savings Charts

San Mateo County Energy Watch 2012 kW Savings Achieved vs. kW Savings Goals



San Mateo County Energy Watch 2012 kWh Savings Achieved vs. kWh Savings Goals





C/CAG AGENDA REPORT

Date: September 14, 2012
To: Resource Management and Climate Protection Committee
From: Kim Springer
Subject: Update on Regionally Integrated Climate Action Planning Suite (RICAPS) Progress

(For further information, contact Kim Springer at 650-599-1412 or Richard Napier at 650-599-1420)

RECOMMENDATION

Receive an update on the BAAQMD/PG&E grant to develop a Climate Action Plan (CAP) Template, now called RICAPS.

FISCAL IMPACT

Up to \$100,000.

SOURCE OF FUNDS

Funding for staff work for the completion of deliverables for the BAAQMD grant and further development of funding for this project are paid for by a \$100,000 in agreements between C/CAG and the County of San Mateo FY2011-12 through December 31, 2012, from Congestion Relief Funds. These funds are partially funded by grants from PG&E and the BAAQMD.

BACKGROUND/DISCUSSION

On September 16, 2010, the C/CAG Board adopted a Resolution No. 10-53, giving the Chair authority to sign a grant agreement between C/CAG and the BAAQMD for \$50,000 to complete a CAP template project for the cities in San Mateo County and Cupertino. On March 10, 2011, the C/CAG Board adopted Resolution No. 11-11 for a grant agreement between C/CAG and PG&E for \$125,000.

Though the above grants and matching funds from C/CAG will allow the project to continue through to completion, C/CAG and County staff expect that refinements to RICAPS will continue to develop over time as additional stakeholders collaborate on the project. Staff is also considering additional grant funding opportunities for the RICAPS project.

At the June 7, 2012 meeting, staff updated the committee on progress: the final grant report to the BAAQMD, which has now been approved and for which the BAAQMD grant is fully paid out to C/CAG, and progress moving the cities onto the RICAPS, Hara software tool.

At this meeting, staff will give a brief update on the progress of the cities in San Mateo County and updates to the Hara Software tool.

The most recent versions of the RICAPS documents (plan text and list of measures), can be found at: http://www.smcenergywatch.com/countywide_climate_action.shtml.

Attachments

None